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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chris Macris  
Serial No : 09/927,276  
Filed : August 10, 2001  
For : HEAT DISSIPATING IC DEVICES (CIP)

AMENDMENT

Dear Sir:

Please amend the above-identified application as follows:

In the Claims:

Claim 1 (original) A heat dissipating IC device comprising:  
at least one IC die comprising a semiconductor substrate including at least one circuitry layer with a hot region on at least one substrate face, a backside and a perimeter;  
a doped region diffused within the semiconductor substrate backside thereby creating a depletion layer between the substrate and doped region; and  
a voltage connected to the doped region, whereby the charge carrier flow, through the doped region of the substrate, travels in a direction from the hot region on the semiconductor substrate face outward toward the perimeter of the substrate face.

Claim 2 (original) The device in claim 1 wherein an electric via connects a portion of the circuitry layer with the doped region within the semiconductor substrate in order to provide electrical power.



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chris Macris  
Serial No : 09/927,276  
Filed : August 10, 2001  
For : HEAT DISSIPATING IC DEVICES (CIP)

August 8, 2003  
Art Unit 1745  
Examiner: Thomas H. Parsons

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT

In response to the Notice of Non-compliant Amendment, mailed July 17, 2003, enclosed is a revised amendment to comply with the voluntary revised practice guidelines. Claims 1-4, 13-21, and 35-42 are now listed as "original" rather than "allowed".

It is believed that the present application is in condition for allowance and notice thereof is solicited.

The Commissioner is authorized to charge any additional fees of deficiencies to Deposit Account No. 07-1900.

Respectfully submitted,  
JENSEN & PUNTIGAM, P.S.

By

Robert A. Jensen #24,268  
Attorney for Applicant

RAJ:mw

(206) 448-3200



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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, DC 2023  
www.uspto.gov

Paper No. 7

### Notice of Non-Compliant Amendment (Voluntary Revised Practice)

The amendment filed 6/11/03 under the voluntary revised amendment practice guidelines<sup>1</sup>, published in the Official Gazette on February 25, 2003 (*Amendments in a Revised Format Now Permitted*, 1267 Off. Gazette 106), does not fully comply with minimal requirements of the voluntary practice. In order for the amendment to be entered, it must either (1) comply with the guidelines of the voluntary revised amendment practice (which practice invokes waivers of certain 37 CFR 1.121(a)-(d) requirements) or (2) comply with current 37 CFR 1.121 requirements.

THE FOLLOWING ITEM(S) IN APPLICANT'S AMENDMENT CAUSES THE AMENDMENT TO BE NON-COMPLIANT WITH THE VOLUNTARY REVISED AMENDMENT PRACTICE.

- ☐ 1. A complete listing of all of the claims is not present in the amendment paper.
- ☐ 2. The listing of claims does not include the text of all claims currently under examination.
- ☐ 3. The claims of this amendment paper have not been presented in ascending numerical order.
- ☐ 4. Each claim has not been provided with a status identifier, and, as such, the individual status of each claim cannot be determined.

☒ 5. Other: Claims are presented with an incorrect or inconsistent status identifier (Claims 1-4, 13-21, 35-42 etc.)

LIE: Check one of the following boxes:

- ☐ **PRELIMINARY AMENDMENT:** Applicant is given ONE MONTH from the mail date of this letter to re-submit the amendment in compliance with either the guidelines of the revised amendment practice or current 37 CFR 1.121. Failure to comply with either the current 37 CFR 1.121 practice or with the voluntary practice will result in non-entry of the amendment and examination on the merits will commence without entry of the originally proposed preliminary amendment. This notice is not an action under 35 U.S.C. 132, and this ONE MONTH time limit is not extendable.

☒ **AMENDMENT AFTER NON-FINAL ACTION:** Since the above-mentioned reply appears to be a *bona fide* response, applicant is given a TIME PERIOD of ONE MONTH from the mailing of this notice within which to re-submit an amendment which complies with either the voluntary practice guidelines or current 37 CFR 1.121 in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD ARE AVAILABLE UNDER 37 CFR 1.136(a).

Claudia A. Sullivan  
[Signed by Team Leader]  
Team Leader

<sup>1</sup> For further explanation of the guidelines of the revised amendment format, please see the posted notice and sample amendment format at: <http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/officeflyer.pdf> and <http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/formatrevamdtprac.pdf>